

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP/03/02211

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 B60K6/04 B60K41/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 B60K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>a</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 318 142 A (WALLACE JOHN R ET AL) 7 June 1994 (1994-06-07) column 4, line 40 -column 4, line 51 column 5, line 6 -column 5, line 18; figures 1,2 ---	1-4,8,9
A	US 6 170 587 B1 (BULLOCK KEITH JOSEPH) 9 January 2001 (2001-01-09) column 8, line 65 -column 8, line 67 figure 2 ---	1-10
A	US 6 376 927 B1 (HOANG TONY T ET AL) 23 April 2002 (2002-04-23) column 2, line 47 -column 2, line 67 ---	1-10
A	US 6 116 363 A (FRANK ANDREW A) 12 September 2000 (2000-09-12) claim 4 ---	1-10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

<sup>a</sup> Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

30 December 2003

Date of mailing of the international search report

08/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Kyriakides, L

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/[REDACTED]3/02211

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5318142	A	07-06-1994	JP	6209501 A	26-07-1994
US 6170587	B1	09-01-2001	AU	730265 B2	01-03-2001
			AU	7013498 A	13-11-1998
			WO	9847732 A1	29-10-1998
			EP	0975480 A1	02-02-2000
			NZ	500627 A	26-01-2001
US 6376927	B1	23-04-2002	NONE		
US 6116363	A	12-09-2000	US	5842534 A	01-12-1998